

Static Electricity

1. Explain what the term 'static' means with respect to electricity.
2. Why does static electricity only occur in substances which are insulators?
3. If a plastic rod is rubbed on to wool, the plastic becomes negative and the wool becomes positive.
 - a. Discuss the physics ideas of why this occurs. In your answer, refer to charge transfer, the nature of the charges and the nature of the wool and plastic.
 - b. This would not work if the wool was wet. Explain why.